AUTODOC CLUB

How to change front brake pads on **Citroën Berlingo M** – replacement guide

VIDEO TUTORIAL

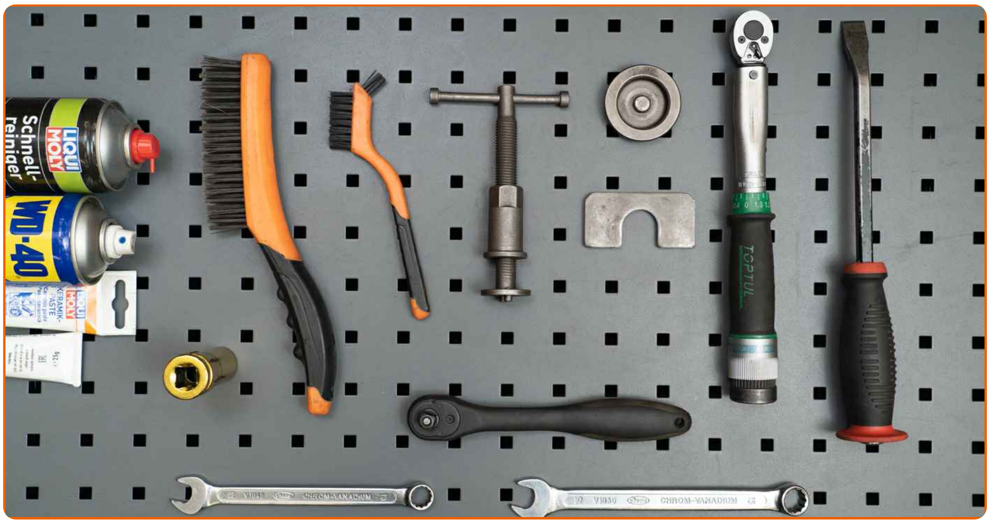


Important!

This replacement procedure can be used for:
CITROËN Berlingo / Berlingo First Van (M_) 1.1 i, CITROËN Berlingo / Berlingo First Van (M_) 1.4 i, CITROËN Berlingo / Berlingo First Van (M_) 1.8 D, CITROËN Berlingo / Berlingo First Van (M_) 1.9 D, CITROËN Berlingo / Berlingo First (MF, GJK, GFK) 1.4 i, CITROËN Berlingo / Berlingo First (MF, GJK, GFK) 1.9 D, CITROËN Berlingo / Berlingo First (MF, GJK, GFK) 1.1 i, CITROËN C3 I Hatchback (FC_, FN_) 1.6 16V, CITROËN XSARA PICASSO (N68) 1.6 16V, CITROËN C3 Picasso 1.6 HDi 110, CITROËN XSARA (N1) 1.4 i, CITROËN XSARA Break (N2) 1.4 i, CITROËN Berlingo / Berlingo First (MF, GJK, GFK) 1.8 i, CITROËN XSARA (N1) 1.9 D, CITROËN XSARA Break (N2) 1.9 D, (+ 155)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PADS – CITROËN BERLINGO M.
LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Ceramic grease
- Torque wrench
- Combination spanner #13
- Combination spanner #15
- Wheel impact socket #19
- Brake caliper wind back tool
- Crow bar
- Wheel chock

BUY TOOLS

Replacement: brake pads – Citroën Berlingo M. AUTODOC experts recommend:

- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- Please note: all work on the car – Citroën Berlingo M – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.



2 Secure the wheels with chocks.

3 Loosen the wheel mounting bolts. Use wheel impact socket #19.



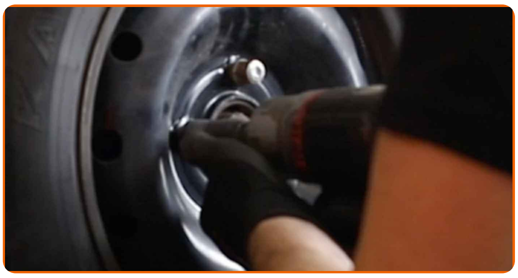
4 Raise the car.



Replacement: brake pads – Citroën Berlingo M. Tip:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

5 Unscrew the wheel bolts.

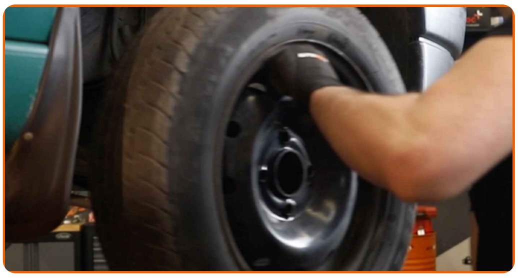


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Citroën Berlingo M

6

Remove the wheel.



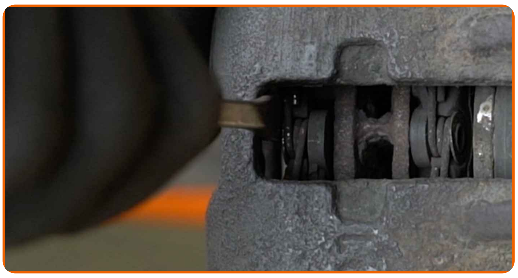
7

Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



8

Spread the brake pads. Use a crowbar.



9

Unscrew the brake caliper fasteners. Use a combination spanner #13. Use a combination spanner #15.



10

Remove the fastening bolts.



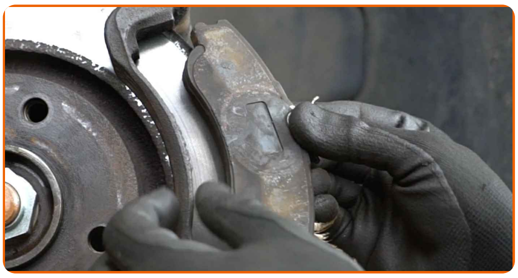
11 Remove the brake caliper.



Replacement: brake pads – Citroën Berlingo M. AUTODOC experts recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

12 Remove the brake pads.



Replacement: brake pads – Citroën Berlingo M. Tip from AUTODOC:

- Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

13 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pads – Citroën Berlingo M. After applying the spray, wait a few minutes.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

14 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

15 Press in the brake caliper piston. Use brake caliper wind back tool.



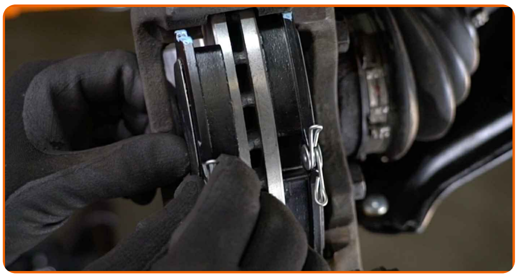
16 Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



Replacement: brake pads – Citroën Berlingo M. Tip from AUTODOC:

- Make sure the disc surface is clean before installing the pads.

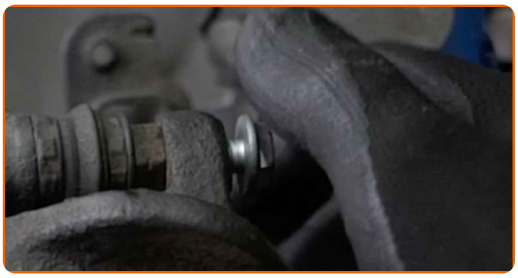
17 Install new brake pads.



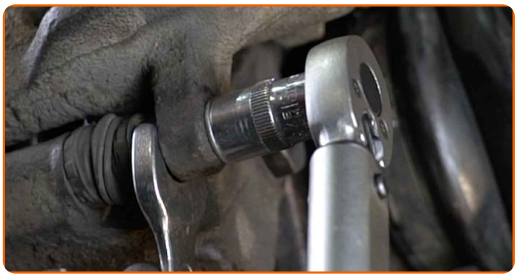
18 Install the brake caliper and fix it.



19 Install the fastening bolts.



20 Tighten the brake caliper fasteners. Use a combination spanner #13. Use a combination spanner #15. Use a torque wrench. Tighten it to 27 nm torque.



21 Clean the wheel rim mounting seat. Use a wire brush.



22 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



23 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pads – Citroën Berlingo M. After applying the spray, wait a few minutes.

24 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Citroën Berlingo M

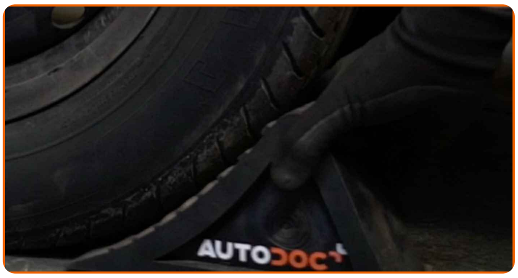
25 Screw in the wheel bolts. Use wheel impact socket #19.



26 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 90 Nm torque.



27 Remove the jacks and chocks.



Replacement: brake pads – Citroën Berlingo M. Tip from AUTODOC experts:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Check the brake fluid level in the expansion tank and refill if necessary.

28 Tighten the brake fluid reservoir cap. Close the hood.



Replacement: brake pads – Citroën Berlingo M. Tip from AUTODOC:

- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unneccessary and sharp braking to a stop.

WELL DONE!

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